

Abstract of the Disclosure:

The wavelength-converting casting composition is based on a transparent epoxy casting resin with a luminous substance admixed. The composition is used in an electroluminescent 5 component having a body that emits ultraviolet, blue or green light. An inorganic luminous substance pigment powder with luminous substance pigments is dispersed in the transparent epoxy casting resin. The luminous substance is a powder of garnets, thiogallates, aluminates, or orthosilicates doped 10 with rare earths, and preferably Ce-doped phosphors. The luminous substance pigments have particle sizes \leq 20 μm and a mean grain diameter $d_{50} \leq 5 \mu\text{m}$.